INTERNATIONAL SEARCH REPORT

International application No. PCT/KR2004/0001 78

Observations where certain claims were found unsearchable (Continuation of item 2 of first sheet) This international search report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons: Claims Nos.: because they relate to subject matter not required to be searched by this Authority, namely: Claims Nos.: 1,2 because they relate to parts of the international application that do not comply with the prescribed requirements to such an extent that no meaningful international search can be carried out, specifically: The purpose of the present invention is not clear. (usually the precharging-signal is already synchronized with the datasignal usuing the synchronous signal derived from the display signal, so the concept of the present invention seems to be redundant). But the search has been carried out and has been based on the constitution of the invention. Claims Nos.: because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a). Observations where unity of invention is lacking (Continuation of item 3 of first sheet) This International Searching Authority found multiple inventions in this international application, as follows: As all required additional search fees were timely paid by the applicant, this international search report covers all searchable As all searchable claims could be searched without effort justifying an additional fee, this Authority did not in vite payment of any addition fee. As only some of the required additional search fees were timely paid by the applicant, this international search report covers only those claims for which fees were paid, specifically claims Nos.: No required additional search fees were timely paid by the applicant. Consequently, this international search report is restricted to the invention first mentioned in the claims; it is covered by claims Nos.: The additional search fees were accompanied by the applicant's protest. Remark on Protest No protest accompanied the payment of additional search fees.

Form PCT/ISA/210 (continuation of first sheet (2)) (January 2004)

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INTERNATIONAL SEARCH REPORT

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International application No.
PCT/KR2004/000178

A. CLAS	A. CLASSIFICATION OF SUBJECT MATTER					
IPC7 G09G 3/30						
According to International Patent Classification (IPC) or to both national classification and IPC						
Minimum documentation searched (classification system followed by classification symbols) IPC7 G09G						
Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched KPA since 1975						
Electronic data base consulted during the intertnational search (name of data base and, where practicable, search terms used) WPI, PAJ "Precharge", "Synchrous", "Signal", "Display"						
C. DOCUMENTS CONSIDERED TO BE RELEVANT						
Category*	Citation of document, with indication, where appr	ropriate, of the relevant passages	Relevant to claim No.			
A	JP1985-119685 (Cashiocomput.Co.Ltd.) June.27,19	85	1,2			
A	JP2000-221476 (Seiko Epson.Inc.) Aug.11,2000		1,2			
A	JP2001-318659A (Sharp.Corp) Nov.16,2001		1,2			
A	US 4,823,121 (Sharp.Corp.) Apr.18,1989		1,2			
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Further	documents are listed in the continuation of Box C.	X See patent family annex.				
"A" document	ategories of cited documents; defining the general state of the art which is not considered	"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand				
"E" earlier ap	articular relevance plication or patent but published on or after the international	the principle or theory underlying the inven "X" document of particular relevance; the claims	d invention cannot be			
1	which may throw doubts on priority claim(s) or which is	considered novel or cannot be considered step when the document is taken alone "Y" document of particular relevance: the claim				
special re	stablish the publication date of citation or other sason (as specified) referring to an oral disclosure, use, exhibition or other	"Y" document of particular relevance; the claim considered to involve an inventive step w combined with one or more other such doct	hen the document is			
means "P" documen	t published prior to the international filing date but later riority date claimed	being obvious to a person skilled in the art "&" document member of the same patent family				
Date of the actual completion of the international search		Date of mailing of the international search report				
31 MARCH 2004 (31.03.2004)		31 MARCH 2004 (31.03.2004)				
Name and mailing address of the ISA/KR Korean Intellectual Property Office 920 Dunsan-dong, Seo-gu, Daejeon 302-701, Republic of Korea		Authorized officer CHUN, Dae Sik	MIK			
6.2	82-42-472-7140	Telephone No. 82-42-481-5871	المنال			

INTERNATIONAL SEARCH REPORT

Information on patent family members

International application No.

PCT/KR2004/000178

Patent document cited in search report	. Publication date	Patent family member(s)	Publication date
JP1985-119685	1985.06.27	None	
JP2000-221476	2000.08.11	None	
JP2001-318659	2001.11.16	EP 1128356 US 2003/030616	2001.08.29 2003.02.13
US 4,823,121	1989.08.18	JP 1987-89090 DE 3634686 GB 2183385	1987.04.23 1987.04.23 1987.06.03

Form PCT/ISA/210 (patent family annex) (January 2004)